

Amendments to the Abstract:

The Abstract for the application appears on the front page of the PCT application. Applicant has rewritten the Abstract on to a separate page as is required for US practice. Further, Applicant has made amendments to the Abstract. A marked-up version of the Abstract is provided below, and a clean version is provided on page 7 of this Amendment.

Please amend the Abstract as follows:

A system (~~10~~) for monitoring a variable such as torque relating to a rotating member (~~12~~) comprises a source (~~16~~) of optical energy for emitting optical energy from a stationary measuring station (~~18~~). A transducer (~~42, 44~~) which is mountable on the member (~~12~~) in use modulates optical energy received from the source in accordance with changes in the variable. An optical transmission system (~~30, 48, 46~~) which is provided between the source and the member enables transmission through free space of optical energy between the member and the station, so that the modulated energy may be analyzed to monitor the variable.

ABSTRACT OF THE DISCLOSURE

A system for monitoring a variable such as torque relating to a rotating member comprises a source of optical energy for emitting optical energy from a stationary measuring station. A transducer which is mountable on the member in use modulates optical energy received from the source in accordance with changes in the variable. An optical transmission system which is provided between the source and the member enables transmission through free space of optical energy between the member and the station, so that the modulated energy may be analyzed to monitor the variable.